

Figure 1

09602201-002501  
1092200-1022500

2/5

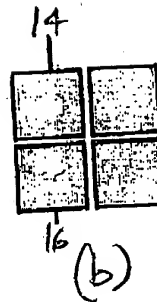
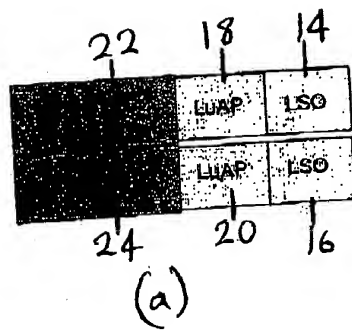


Figure 2

Material	Density $\rho$ , g/cm <sup>3</sup>	Emission maximum $\lambda$ , nm	Light Yield, photons/ MeV	Decay time $\tau$ , ns	Photoelectric absorption coefficient @ 511 keV 1/cm
Lu <sub>2</sub> SiO <sub>5</sub> : Ce (LSO)	7.4	420	27,000	40	0.30
LuAlO <sub>3</sub> : Ce (LuAP)	8.34	380	9,600	11 (60%)	0.31
Gd <sub>2</sub> SiO <sub>5</sub> : Ce (GSO)	6.7	440	8,000/1,000	60 for fast component 600 for slow component	0.18

Figure 3

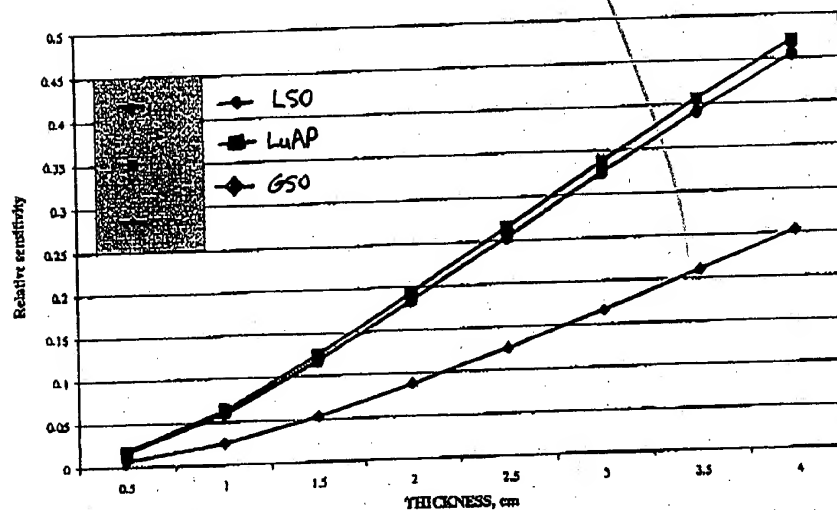


Figure 4

4/5

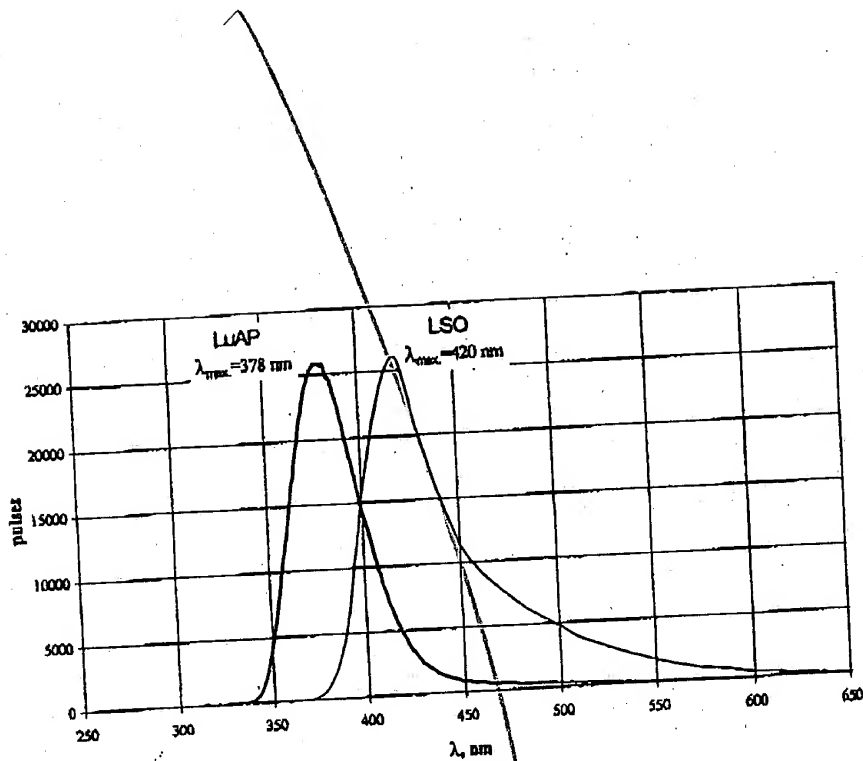


Figure 5

